MATERIAL SAFETY DATA SHEET

Product Name: SILICONE SEALANT/ADHESIVE

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Type: Solvent Release Adhesive RTV  
Product Name: SILICONE SEALANT/ADHESIVE  
Part Number(s): 19-158  
          19-159

Emergency Contact: Chemtrec  
Phone: (800) 424-9300

HMIS III RATINGS

Health: 1  
Flammability: 0  
Physical Hazard: 1

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

SECTION 2. COMPOSITION

Single or Mixture: Mixture  
Chemical Identification: Organopolysiloxane mixture

Hazard Component(s)(CAS NO.): No hazardous materials present  
(See Section 8 of this MSDS for Exposure Guideline)

SECTION 3. HAZARDS IDENTIFICATION

Hazard Classification: None (based on IMO)  
Fire and Explosion: Not considered flammable nor combustible, but will burn if involved in a fire.

Potential Health Effect
Inhalation: Vapor overexposure may cause drowsiness, injure blood and liver, and may irritate eyes, nose and throat  
Skin Contact: On direct contact uncured product or its vapor may cause slight irritation to skin.  
Eye Contact: On direct contact uncured product or its vapor may cause slight irritation to eyes.  
Ingestion: No information is available

SECTION 4. FIRST AID MEASURES

Inhalation: Remove to fresh air  
Skin Contact: Immediately remove product from skin with dry cloth or towel, and wash exposed area with detergent  
Eye Contact: Immediately flush with plenty of water for at least 15 minutes and promptly call a physician  
Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician immediately.
SECTION 5. FIRE FIGHTING MEASURES

Flash Point (method used): Not applicable (Solid)
Flammable Limits: Lower: Not determined Upper: Not determined
Extinguishing Media: Foam, dry chemical or carbon dioxide or fine water spray
Special Fire Fighting Procedure: None
Unusual fire and explosion Hazard: None

SECTION 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:
- Shut off all ignition sources
- Contain the spill or leak.
- Scrape up with cardboard or rag and place in container.

SECTION 7. HANDLING AND STORAGE

Precaution to be taken in handling and storing:
- Keep container closed when not in use.
- Store in a cool place.
- Keep away from heat, sparks and flame.
- Do not lay the container on its side.
- Use only with adequate ventilation
- Avoid contact with eyes and skin
- Keep out of reach of children.
- Contact lens wearers take appropriate precaution

* * * * Information about the emptied container * * * *
- Do not re-use this container
- Keep away from heat, sparks and flame
- Do not puncture or cut this container, and do not weld on or near this container.
SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:
Vendor Guide: 3ppm (TWA), 10 ppm (STEL)
AIHA WEEL*: 10 ppm (TWA)
[Methylethylketoxime; decomposed product]
(*AIHA WEEL = American Industrial Hygiene Association Workplace Environmental Exposure Level)

Respiratory Protection (Specific Type): Use air-supplied breathing apparatus unless local exhaust ventilation is adequate or decomposed product is within AIHA guideline

Ventilation: Local Exhaust Required

Mechanical (general): Adequate ventilation system

Special: Unknown

Other: Pay attention to ventilation such as local exhaust, mechanical and/or leave door open for at least 24 hours after application.

Protective Gloves: Plastic Film or rubber gloves

Other Protective Clothing or Equipment: Eyewash equipment

Work/Hygienic Practices: Wash hands after handling. 
Keep away from heat and flame
Avoid Contact with eyes and prolonged or repeated skin contact.
Avoid prolonged breathing vapor.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not applicable
Vapor Pressure: Negligible (25°C)
Vapor Density (air=1): >1
Specific Gravity: 1.05 (25°C)
Melting Point: Not applicable
Evaporation Rate: <1 (Butyl Acetate=1)
Solubility in Water: Not soluble
Appearance (color): See Cartridge
Appearance (form): Paste
Odor: Oxime odor
MATERIAL SAFETY DATA SHEET

Product Name: SILICONE SEALANT/ADHESIVE

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable
Condition to Avoid: Exposure to air or moisture until ready to use - causes curing and methylethylketoxime vapor to form gradually
Incompatibility (Material to Avoid): Water or moisture
Hazardous Decomposition or By-Product: Water, moisture, or humid air can cause Methylethylketoxime Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon oxides and traces of incompletely burned carbon compounds. Silicone dioxide. Nitrogen oxides. Formaldehyde
Hazardous Polymerization: Will Not Occur
Conditions to Avoid: None

SECTION 11. TOXICOLOGICAL INFORMATION

Skin Irritation: No information is available
See OTHER INFORMATION
Eye irritation: No information is available
See OTHER INFORMATION
Sensitization: No information is available
See OTHER INFORMATION
Acute Toxicity (LD50): No information is available
See OTHER INFORMATION
Acute Toxicity (LC50): No information is available
See OTHER INFORMATION
Subacute Toxicity: No information is available
See OTHER INFORMATION
Chronic Toxicity: No information is available
See OTHER INFORMATION
See OTHER INFORMATION
Mutagenicity: No information is available
See OTHER INFORMATION
Other Information: Additional Information
Methyl Ethyl Ketoxime (MEKO) — Decomposition product
Material will generate MEKO on exposure to humid air, gradually. Male rodents exposed to MEKO vapor at high concentration throughout their lifetime developed liver cancer. But relevance to humans is uncertain now. Please read the detail information to MEKO below.

Skin Irritation: Causes mild irritation. Can be absorbed through the skin
Eye Irritation: Causes severe irritation
Acute Oral Toxicity: LD50 (rat) = 4ml/kg.
Acute Inhalation Toxicity: LC50 (rat) = >4.8 mg/l /4HR
Inhalation Toxicity: Shows narcotic action at high concentration. May produce blood effects
Skin Sensitization: Positive (guinea pig)
Neurotoxicity: High dose can produce transient and reversible change in neurobehavioral function. No evidence of cumulative neurotoxicity was detected.
Carcinogenicity: Liver carcinomas were observed in a lifetime inhalation study (ca. 2 years) in which mice and rats were exposed. These carcinomas were statistically increased in males at concentration of 735 ppm. Relevance to humans is uncertain now MEKO
SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

Mutagenicity: Not considered mutagenic based on several in vitro and vivo studies.
Other Chronic Study: Degenerative effects on the olfactory epithelium of nasal passages occurred in a concentration related manner in males and females of mice and rats at MEKO concentration of 15, 75 and 375 ppm.
Workplace Environmental Exposure: Exposure Level AIHA WEEL: 10 ppm (TWA)

SECTION 12. ECOLOGICAL INFORMATION

Biodegradation: Not applicable
Bioaccumulation: No information is available
Aquatic Toxicity: No information is available
Other Information: None

SECTION 13. DISPOSAL CONSIDERATION

Can be land-filled for cured product or burned in a chemical incinerator equipped with an afterburners and scrubber
Do not dispose the emptied container unlawfully.
Observe all federal, state, and local laws.

SECTION 14. TRANSPORTATION INFORMATION

US DOT & CANADA TDG SURFACE
Valuation: Not regulated for transport

Transport by sea IMDG-Code
Valuation: Not regulated for transport

Air transport ICAO-TI/IATA-DGR
Valuation: Not regulated for transport
SECTION 15. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA) Status: Listed on the TSCA inventory

European Inventory Of Existing Commercial Chemical Substances (EINECS) Status: Listed on the EINECS

Labeling According To EC-Regulations Required:
   Symbol: Not required
   R-Phrase: Not required
   S-Phrase: Not required
   Contains: None

Superfund Amendments and reauthorization to of 1986 (SARA) Title III Section 313 Supplier Notification:
This regulation required submission of annual reports of toxic chemical(s) that appear in section 313 of the emergency planning and community Right-To-Know Act of 1986 and 40 CFR 372. This information must be included in all MSDS’s that are the toxic chemical(s) contained in this product are:

Chemical Name(CAS No.) And Contents: None

California Proposition 65:
This regulation requires a warning for California Proposition 65 Chemical(s) under the stature.

The California Proposition 65 Chemical(s) contained in this product are:
Chemical Name/(CAS No.) And Contents: None

SECTION 16. DISCLAIMER

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